

FHWA Visualization Working Group Charter

Guiding Principles

The goal of the Federal Highway Administration (FHWA) Visualization Working Group is to provide leadership and advocate for visualization and innovative data analysis and to promote initiatives to advance the practice and application of these rapidly maturing and powerful tools to accomplish the mission of FHWA.

1 Scope and Approach

The Working Group intends to direct its efforts on the following relevant application areas: data analysis and knowledge discovery; virtual design and construction; informed decision making; and public outreach.

To realize the envisioned transformation in the conduct of business, the Visualization Working Group will:

- Advocate for visualization
- Revolutionize the conduct of business through visualization technologies
- Promote visualization throughout the lifecycle of projects
- Encourage the application of available tools and techniques
- Ensure management understands the tools and their benefits
- Coordinate implementation of visualization across FHWA
- Exploit advances from outside industries such as the gaming community

2 Projects

The purpose of the Working Group is to encourage the integration of visualization techniques into the conduct of FHWA business. To achieve this, the Working Group will identify and coordinate the current efforts of individuals and offices. Leveraging the collective capability of the Members, the Working Group will define and initiate projects and efforts to promote the use of visualization techniques to accomplish the FHWA mission. These activities will include efforts such as the application of visualization to current activities; development of resources, training, outreach, and representation at conferences.

3 Governance

Membership shall consist of representatives chosen by the respective offices of FHWA to include: Headquarters offices; Research and Development offices; Federal Lands Highways; the Resource Center; and at least one Field Representative. The Associate Administrator for Research, Development, and Technology (RD&T) will Chair the Working Group. As part of its contribution to the Working Group, RD&T will serve as Program Administrator and Secretariat and will administer resources. Consensus decision making will be the goal in all Working Group activities and in general, formal votes will be avoided. The Members will adopt policies and procedures as they deem appropriate.

4 Meetings

Meetings of the Working Group will be held six times each year.